PIONEER CORPORATION
4-1, MEGURO 1-CHOME, MEGURO-KU, TOKYO 153-8654, JAPAN

PIONEER ELECTRONICS (USA) INC.
P.O. Box 1760, Long Beach, California 90801, U.S.A.
TEL: (800) 421-1404

PIONEER ELECTRONIC NV
Haven 1087, Keetberglaan 1, B-9120 Melsele, Belgium
TEL: (0) 3/570.05.11

PIONEER ELECTRONICS AUSTRALIA PTY. LTD.
178-184 Boundary Road, Braeside, Victoria 3195, Australia
TEL: (03) 9586-6300

PIONEER ELECTRONICS OF CANADA, INC.
300 Allstate Parkway, Markham, Ontario L3R OP2, Canada
TEL: (905) 479-4411

PIONEER ELECTRONICS DE MEXICO, S.A. de C.V.
San Lorenzo 1009 3er. Piso Desp. 302
Col. Del Valle Mexico, D.F. C.P. 03100
TEL: 5-688-52-90

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Multi-CD control High power CD player with FM/AM tuner

Reproductor de CD de alta potencia con control de múltiples CD con sintonizador FM/AM

SUPER TUNER III

Operation Manual

DEH-P4350
DEH-P3350
DEH-P3350B

Manual de Operación

Pioneer

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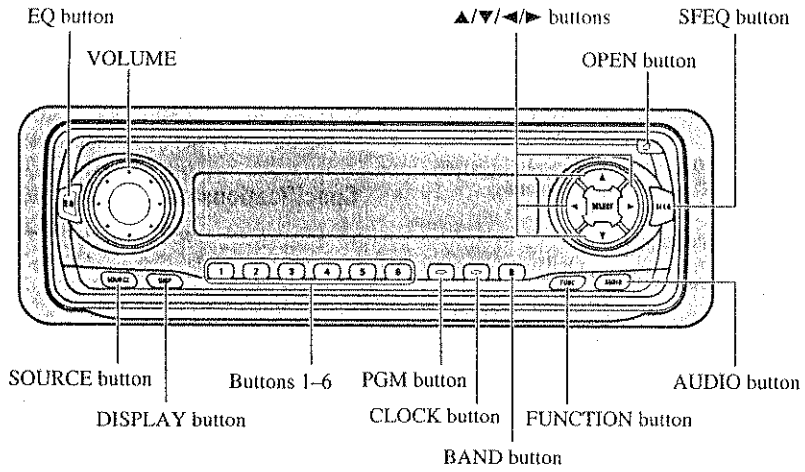
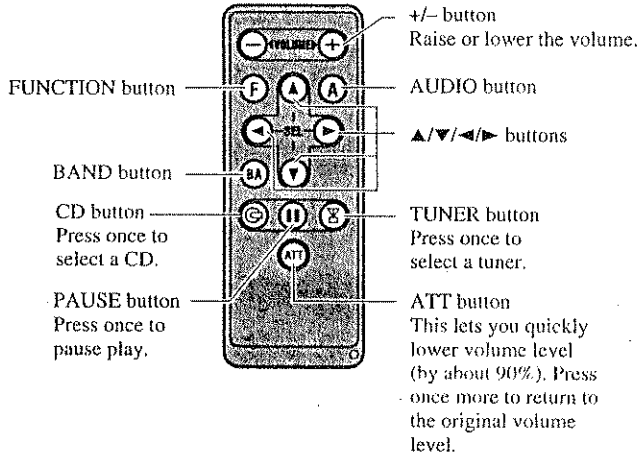
Head Unit



Remote Controller (DEH-P4350)

DEH-P4350 is equipped with a remote controller for convenient operation. Operation is the same as when using buttons on the head unit.


+/– button
Raise or lower the volume.
FUNCTION button
AUDIO button
▲/▼/◄/► buttons
BAND button
CD button
Press once to select a CD.
TUNER button
Press once to select a tuner.
PAUSE button
Press once to pause play.
ATT button
This lets you quickly lower volume level (by about 90%). Press once more to return to the original volume level.

About This Manual

This product features a number of sophisticated functions ensuring superior reception and operation. All are designed for the easiest possible use, but many are not self-explanatory. This operation manual is intended to help you benefit fully from their potential and to maximize your listening enjoyment.

We recommend that you familiarize yourself with the functions and their operation by reading through the manual before you use this product. It is especially important that you read and observe the "Precaution" on this page and in other sections.

This manual explains head unit operation. You can perform the same operations with the remote controller (DEH-P4350).

Precaution

CAUTION: USE OF CONTROL OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.

- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough for outside sounds to be audible.
- Protect the product from moisture.
- If the battery is disconnected, the preset memory will be erased and must be reprogrammed.
- If this product fails to operate properly, contact your dealer or your nearest authorized Pioneer Service Station.

When using the 50-Disc Type Multi-CD Player

The available functions of the 50-Disc Type Multi-CD Player are described in this Operation Manual. Note that other 50-Disc Type Multi-CD Player functions cannot be used with this product.

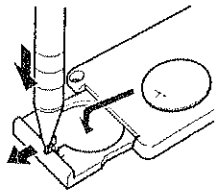
Using the Remote Controller

This product is equipped with a remote controller for convenient operation.
- Point the controller in the direction of the front panel to operate.

Precaution:
- Do not store the remote controller in high temperatures or direct sunlight.
- The controller may not function properly in direct sunlight.
- Do not let the remote controller fall onto the floor, where it may become jammed under the brake or accelerator pedal.

Battery

- **Slide the tray out on the back of the remote controller and insert the battery with the (+) and (–) poles pointing in the proper direction.**



Replacing the Lithium Battery:
- Use only lithium battery "CR2025", 3 V.

Precaution:
- Remove the battery if the remote controller is not used for a month or longer.
- If the event of battery leakage, wipe the remote controller completely clean and install a new battery.

⚠ WARNING:
- Keep the Lithium Battery out of reach of children. Should the Battery be swallowed, immediately consult a doctor.

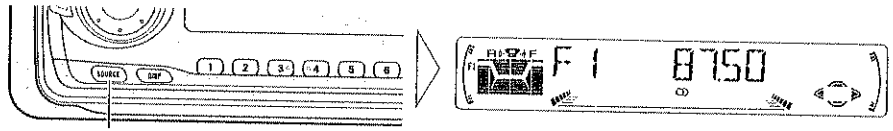
⚠ CAUTION:
- Do not recharge, disassemble, heat or dispose of battery in fire.
- Use a CR2025 (3 V) Lithium Battery only. Never use other types of battery with this product.
- Do not handle the battery with metallic tools.
- Do not store the Lithium Battery with metallic materials.
- When disposing of used batteries, please comply with governmental regulations or environmental public institution's rules that apply in your country/area.
- Always check carefully that you are loading battery with its (+) and (–) poles facing in the proper directions.

To Listen to Music

The following explains the initial operations required before you can listen to music.

Note:
- Loading a disc in this product. (Refer to page 9.)

1. Select the desired source. (e.g. Tuner)



Each press changes the Source ...

■ Head Unit

Each press of the SOURCE button selects the desired source in the following order:
Built-in CD player → TV → Tuner → Multi-CD player → External Unit → AUX

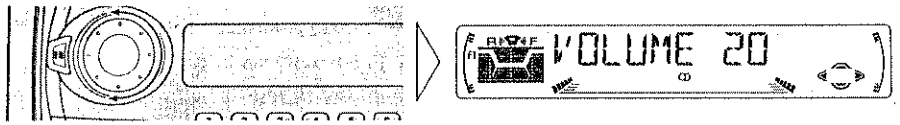
■ Remote Controller (DEH-P4350)

Each press of the button selects the desired source in the following order:
TUNER button : TV → Tuner → OFF
CD button : Built-in CD player → Multi-CD player → OFF

Note:
- External Unit refers to a Pioneer product (such as one available in the future) that, although incompatible as a source, enables control of basic functions by this product. Only one External Unit can be controlled by this product.
- In the following cases, the sound source will not change:
  * When a product corresponding to each source is not connected to this product.
  * When no disc is set in this product.
  * When no magazine is set in the Multi-CD player.
  * When the AUX (external input) is set to OFF. (Refer to page 39.)
- When this product's blue/white lead is connected to the car's Auto-antenna relay control terminal, the car's Auto-antenna extends when this product's source is switched ON. To retract the antenna, switch the source OFF.

Continued overleaf.

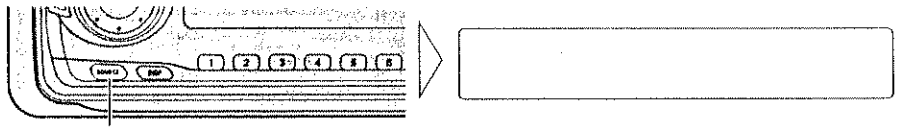
2. **Raise or lower the volume.**



Rolling the VOLUME changes the volume level.

Note:
- Roll clockwise to raise the volume level.
- Roll counterclockwise to lower the volume level.

3. **Turn the source OFF.**



Hold for 1 second

Basic Operation of Tuner

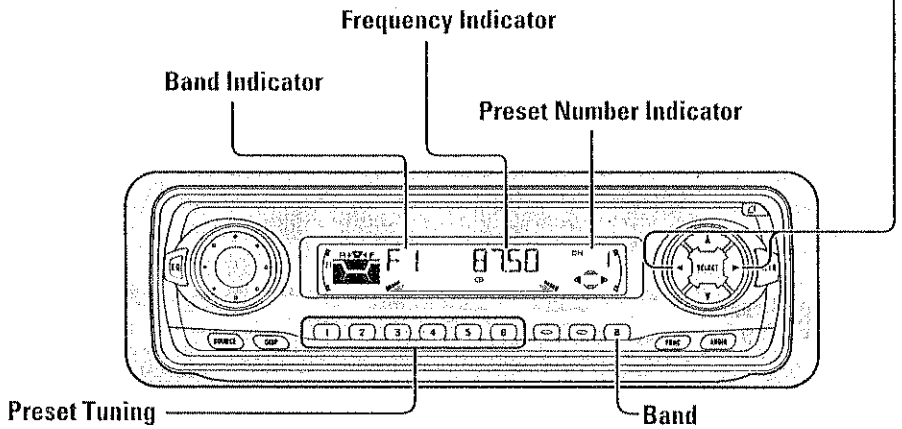
Reset the AM tuning step from 9 kHz (the factory preset step) to 10 kHz when using the tuner in North, Central or South America. (Refer to page 39.)

Manual and Seek Tuning

- **You can select the tuning method by changing the length of time you press the ◄/► button.**

Manual Tuning (step by step)	0.5 seconds or less
Seek Tuning	0.5 seconds or more

Note:
- If you continue pressing the button for longer than 0.5 seconds, you can skip broadcasting stations. Seek Tuning starts as soon as you release the button.
- Stereo indicator "((·))" lights when a stereo station is selected.



F1 (FM1) → F2 (FM2) → F3 (FM3) → AM

- **You can memorize broadcast stations in buttons 1 through 6 for easy, one-touch station recall.**

Preset station recall	2 seconds or less
Broadcast station preset memory	2 seconds or more

Note:
- Up to 18 FM stations (6 in F1 (FM1), F2 (FM2) and F3 (FM3)) and 6 AM stations can be stored in memory.
- You can also use the ▲ or ▼ buttons to recall broadcast stations memorized in buttons 1 through 6.

ENGLISH

Basic Operation of Built-in CD Player

Note:
- Be sure to close the front panel after loading or ejecting a disc.

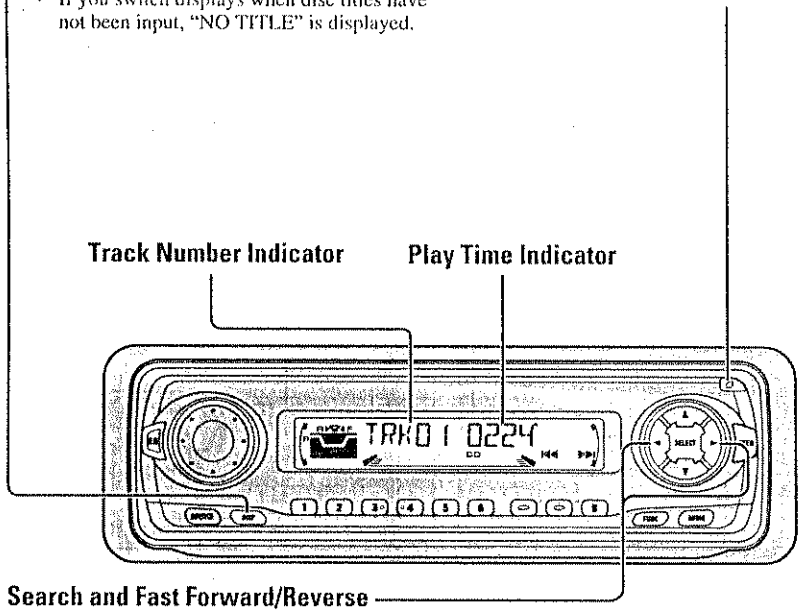
Switching the Display

Each press of the DISPLAY button changes the display in the following order:
Playback mode (Play time)
→ Disc Title

Note:
- If you switch displays when disc titles have not been input, "NO TITLE" is displayed.

Open

Note:
- Use to open the front panel when loading or ejecting a CD. (The illustration on the right shows the front panel open.)

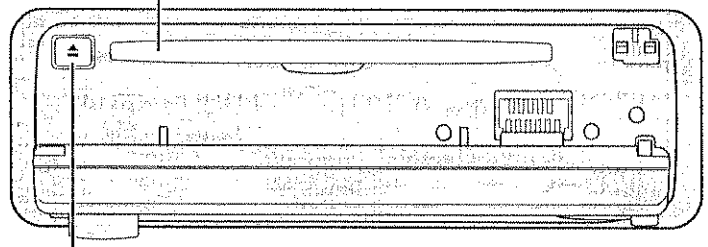


- **You can select between Track Search or Fast Forward/Reverse by pressing the ◄/► button for a different length of time.**

Track Search	0.5 seconds or less
Fast Forward/Reverse	Continue pressing

CD Loading Slot

Note:
- The Built-in CD player plays one standard 12 cm or 8 cm (single) CD at a time. Do not use an adapter when playing 8 cm CD.
- Do not insert anything other than a CD into the CD Loading Slot.



Eject

Note:
- The CD function can be turned ON/OFF with the disc remaining in this product. (Refer to page 6.)
- A disc left partially inserted after ejection may incur damage or fall out.

Note:
- If a disc cannot be inserted fully or playback fails, make sure the recorded side is down. Press the EJECT button and check the disc for damage before reinserting it.
- If the Built-in CD player cannot operate properly, an error message (such as "ERROR-14") appears on the display. Refer to "Built-in CD Player's Error Message" on page 43.
- The Built-in CD player is not equipped with CD TEXT function.
- A CD TEXT disc is a CD featuring recorded text information such as Disc Title, Artist Name and Track Title.

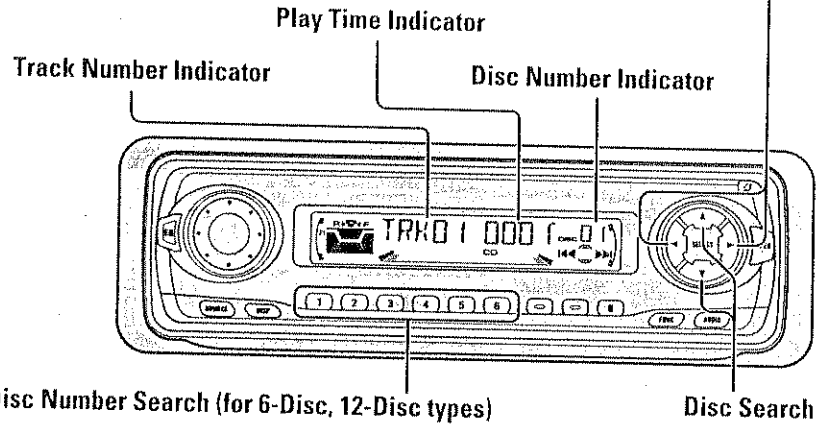
Basic Operation of Multi-CD Player

This product can control a Multi-CD player (sold separately).

Track Search and Fast Forward/Reverse

- **You can select between Track Search or Fast Forward/Reverse by pressing the ◄/► button for a different length of time.**

Track Search	0.5 seconds or less
Fast Forward/Reverse	Continue pressing



- **You can select discs directly with the 1 to 6 buttons. Just press the number corresponding to the disc you want to listen to.**

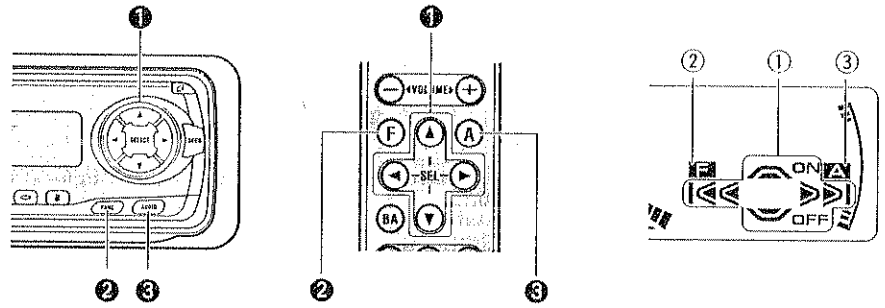
Note:
- When a 12-Disc Multi-CD Player is connected and you want to select disc 7 to 12, press the 1 to 6 buttons for 2 seconds.

Note:
- The Multi-CD player may perform a preparatory operation, such as verifying the presence of a disc or reading disc information, when the power is turned ON or a new disc is selected for playback. "READY" is displayed.
- If the Multi-CD player cannot operate properly, an error message such as "ERROR-14" is displayed. Refer to the Multi-CD player owner's manual.
- If there are no discs in the Multi-CD player magazine, "NO DISC" is displayed.

Corresponding Display Indications and Buttons

This product's display features Key Guidance Indicators. These light to indicate which of the ▲/▼/◄/►, FUNCTION and AUDIO buttons you can use. When you're in the Function Menu (refer to next section), Detailed Setting Menu (refer to page 15), Initial Setting Menu (refer to page 37) or Audio Menu (refer to page 30), they also make it easy to see which ▲/▼/◄/► buttons you can use to switch functions ON/OFF, switch repeat selections and perform other operations.
Indicator and corresponding buttons are shown below.

■ Head Unit **■ Remote Controller** **■ Display**



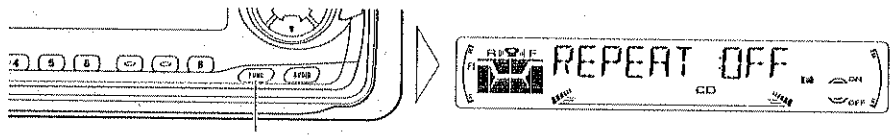
When ① is lit in the display, perform appropriate operations with the ❶ buttons.
When ② is lit in the display, it indicates that you are in the Function Menu, Detailed Setting Menu or Initial Setting Menu. You can switch between each of these menus and between different modes in the menus using button ❷ on the head unit or remote controller.
When ③ is lit in the display, it indicates you are in the Audio Menu. You can switch between modes in the Audio Menu using button ❸ on the head unit or remote controller.

Entering the Function Menu

The Function Menu lets you operate simple functions for each source.

Note:
- After entering the Function Menu, if you do not perform an operation within about 30 seconds, the Function Menu is automatically canceled.

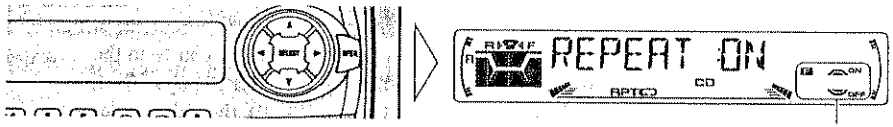
1. Select the desired mode in the Function Menu. (Refer to next section, "Function Menu Functions".)



Each press changes the Mode ...

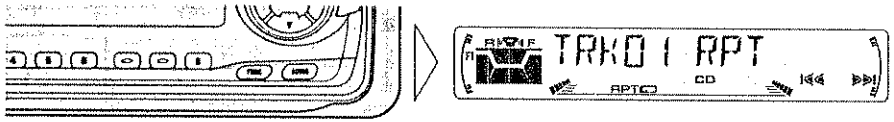
Continued overleaf.

2. **Operate a mode. (e.g. Repeat Play)**



The button used and the operation it performs are indicated by the key guidance indicator. Press the ▲ button to switch the key guidance indicator ON, and the ▼ button to switch it OFF.

3. **Cancel the Function Menu.**



Function Menu Functions

The following chart shows functions for each source in the Function Menu. The chart also shows indications for each function, operations and buttons used to perform operations. For more details, or when you want to know about an operation, refer to the page number indicated in the chart.

■ Tuner

Function name (Display)	Button: Operation	Page
Best Stations Memory (BSM)	▲: ON ▼: OFF	17
Local Seek Tuning (LOCAL)	1 ▲: ON ▼: OFF 2 ◄ or ►: Select (Sensitivity)	17

■ Built-in CD Player

Function name (Display)	Button: Operation	Page
Repeat Play (REPEAT)	▲: ON ▼: OFF	18
Random Play (RANDOM)	▲: ON ▼: OFF	18
Scan Play (T-SCAN)	▲: ON ▼: OFF	19
Pause (PAUSE)	▲: ON ▼: OFF	19

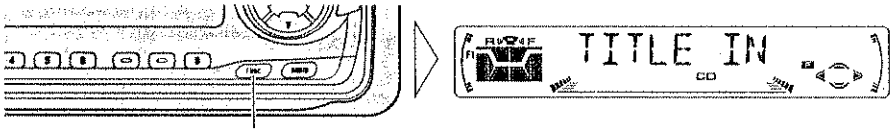
■ Multi-CD Player

Function name (Display)	Button: Operation	Page
Repeat Play (REPEAT)	◄ or ►: Select (Play range)	20
Selecting Discs by Disc Title List (TITLE LIST)	1 ◄ or ►: Select (Disc Title) 2 ▲: Play	25
Random Play (RANDOM)	▲: ON ▼: OFF	20
Scan Play (SCAN)	▲: ON ▼: OFF	21
ITS Play (ITS-P)	▲: ON ▼: OFF	22
Pause (PAUSE)	▲: ON ▼: OFF	21
Compression and DBE (COMP)	▲ or ▼: Select (Sound Quality Function)	26

Entering the Detailed Setting Menu

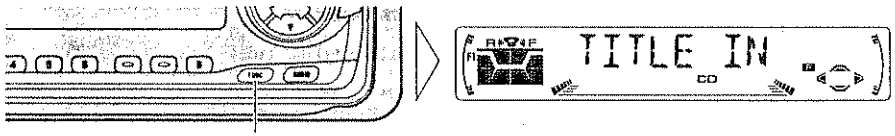
In the Detailed Setting Menu, you can operate convenient, complex functions for each source.

1. **Enter the Detailed Setting Menu.**



Hold for 2 seconds

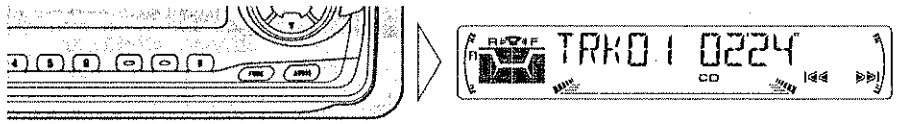
2. **Select the desired mode. (Refer to next section, "Detailed Setting Menu Functions".)**



Each press changes the Mode ...

3. **Operate a mode.**

4. **Cancel the Detailed Setting Menu.**



Note:

- You can cancel the Detailed Setting Menu by pressing the FUNCTION button again for 2 seconds.

Detailed Setting Menu Functions

The following chart shows functions for each source in the Detailed Setting Menu. The chart also shows indications for each function, operations and buttons used to perform operations. For more details, or when you want to know about an operation, refer to the page number indicated in the chart.

Note:

- Tuner has no Detailed Setting Menu.

■ Built-in CD Player

Function name (Display)	Button: Operation	Page
Disc Title Input (TITLE IN)	1 ▲ or ▼: Select (Letter) 2 ◄ or ►: Select (Position) 3 ►: Memory	19

■ Multi-CD Player

Function name (Display)	Button: Operation	Page
Disc Title Input (TITLE IN)	1 ▲ or ▼: Select (Letter) 2 ◄ or ►: Select (Position) 3 ►: Memory	24
ITS Programming (ITS)	▲: Memory	22

PGM Button Functions

The following chart shows functions for each source by presssing PGM button.
For more details, or when you want to know about an operation, refer to the page number indicated in the chart.

■ PGM

Source	Function name	Page
Tuner	Best Stations Memory (OFF) Best Stations Memory (ON) (Hold for 2 seconds)	17 17
Built-in CD player	Pause	19
Multi-CD player	Pause	21
TV	Best Station Sequential Memory (OFF) Best Station Sequential Memory (ON) (Hold for 2 seconds)	— —

Note:

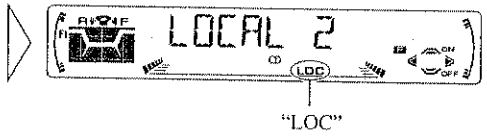
- For the details of TV functions, refer to the TV's manual.

Local Seek Tuning (LOCAL)

When Local is ON, you can only select broadcast stations providing strong reception.

1. **Press the FUNCTION button and select the Local mode (LOCAL) in the Function Menu.**

2. **Switch the Local ON/OFF with the ▲/▼ buttons.**



3. **Select the desired Local Seek sensitivity with the ◄/► buttons.**

FM : LOCAL 1 ↔ LOCAL 2 ↔ LOCAL 3 ↔ LOCAL 4
AM : LOCAL 1 ↔ LOCAL 2

Note:
- The LOCAL 4 setting allows reception of only the strongest stations, while lower settings let you receive progressively weaker stations.

Best Stations Memory (BSM)

The BSM function stores stations in memory automatically.

1. **Press the FUNCTION button and select the BSM mode (BSM) in the Function Menu.**

2. **Switch the BSM ON with the ▲ button.**

The stations with the strongest signals will be stored under buttons 1–6 and in order of their signal strength.

Note:
- You can also switch the BSM function ON by pressing the PGM button for 2 seconds.

- **To cancel the process, press the ▼ button in the Function Menu before memorization is complete.**

Note:
- You can also switch the BSM function OFF by pressing the PGM button.

Repeat Play (REPEAT)

Repeat Play plays the same track repeatedly.

1. **Press the FUNCTION button and select the Repeat mode (REPEAT) in the Function Menu.**

2. **Switch the Repeat Play ON/OFF with the ▲/▼ buttons.**

Note:
- If you perform Track Search or Fast Forward/Reverse, Repeat Play is automatically canceled.

Random Play (RANDOM)

Random Play plays the tracks on a CD in random order for variety.

1. **Press the FUNCTION button and select the Random mode (RANDOM) in the Function Menu.**

2. **Switch the Random Play ON/OFF with the ▲/▼ buttons.**

Scan Play (T-SCAN)

Scan Play plays the first 10 seconds or so of each track on a CD in succession.

1. **Press the FUNCTION button and select the Scan mode (T-SCAN) in the Function Menu.**

2. **Switch the Scan Play ON with the ▲ button.**

3. **When you find the desired track, cancel the Scan Play with the ▼ button.**

   If the Function Menu has been canceled automatically, select the Scan mode in the Function Menu again.

Note:

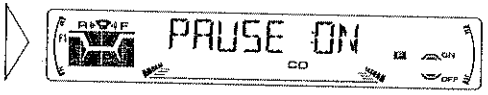
- Scan Play is canceled automatically after all the tracks on a disc have been scanned.

Pause (PAUSE)

Pause pauses the currently playing track.

1. **Press the FUNCTION button and select the Pause mode (PAUSE) in the Function Menu.**

2. **Switch the Pause ON/OFF with the ▲/▼ buttons.**



Note:

- You can also switch the Pause function ON/OFF by pressing the PGM button.

Disc Title Input (TITLE IN)

You can use "TITLE IN" to input up to 48 disc titles for CDs in the Built-in CD player. (Perform the same operation as (described) on page 24 under "Using Multi-CD Players".)

Note:

- After the title for 48 discs have been entered, data for a new disc will overwrite the oldest one.
- If you connect a Multi-CD player, you can input disc titles for up to 100 discs.

Repeat Play (REPEAT)

There are three repeat play ranges: One-track Repeat, Disc Repeat and Multi-CD player Repeat. Default repeat play range is Multi-CD player Repeat.

1. **Press the FUNCTION button and select the Repeat mode (REPEAT) in the Function Menu.**

2. **Select the desired repeat play range with the ◄/► buttons.**

   Multi-CD player Repeat → One-track Repeat → Disc Repeat

"DISC"

Play range	Display	Indicator
Multi-CD player Repeat	MCD	——
One-track Repeat	TRK	RPT
Disc Repeat	DSC	DISC

Note:

- If you select other discs during the repeat play, the repeat play range changes to Multi-CD player Repeat.
- If you perform Track Search or Fast Forward/Reverse during One-track Repeat, the repeat play range changes to Disc Repeat.

Random Play (RANDOM)

Tracks are played at random within the selected repeat play range as explained in "Repeat Play" above.

1. **Press the FUNCTION button and select the Random mode (RANDOM) in the Function Menu.**

2. **Switch the Random Play ON/OFF with the ▲/▼ buttons.**

   After selecting the desired repeat play range from those referred to in "Repeat Play" above, switch Multi-CD Player Random Play ON.

Display	Play range
DRDM	Disc Repeat
RDM	Multi-CD player Repeat

Note:

- One-track Repeat changes to the Disc Repeat when you switch the Random Play ON.

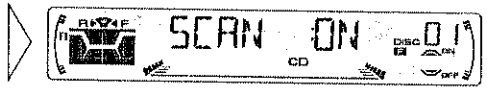
Scan Play (SCAN)

In the Disc Repeat, the beginning of each track on the selected disc is scanned for about 10 seconds. In the Multi-CD player Repeat, the beginning of the first track on each disc is scanned for about 10 seconds.

1. **Press the FUNCTION button and select the Scan mode (SCAN) in the Function Menu.**

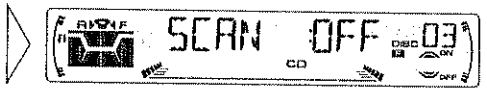
2. **Switch the Scan Play ON with the ▲ button.**

   After selecting the desired repeat play range from those referred to in "Repeat Play" on page 20, switch Multi-CD Player Scan Play ON.



3. **When you find the desired track (or disc), cancel the Scan Play with the ▼ button.**

   If the Function Menu has been canceled automatically, select the Scan mode in the Function Menu again.



Display	Play range
DSCN	Disc Repeat
SCAN	Multi-CD player Repeat

Note:
- Scan Play is canceled automatically after all the tracks or discs have been scanned.
- One-track Repeat changes to the Disc Repeat when you switch the Scan Play ON.

Pause (PAUSE)

Pause pauses the currently playing track.

1. **Press the FUNCTION button and select the Pause mode (PAUSE) in the Function Menu.**

2. **Switch the Pause ON/OFF with the ▲/▼ buttons.**

Note:
- You can also switch the Pause function ON/OFF by pressing the PGM button.

ITS (Instant Track Selection)

The ITS function allows you to search for the track you wish to play when a Multi-CD player is installed. You can use ITS to program automatic playback of up to 24 tracks per disc from up to 100 discs. (You can store ITS program and Disc Title data for up to 100 discs in memory.)

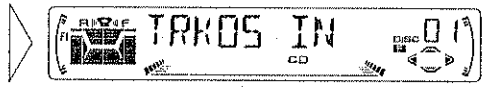
ITS Programming (ITS)

Programmed tracks are played within the selected repeat play range in the "Repeat Play" on page 20.

1. **Play the track you wish to program.**

2. **Select the ITS Programming mode (ITS) in the Detailed Setting Menu. (Refer to page 15.)**

3. **Program the desired track with the ▲ button.**



Note:
- After 100 discs have been programmed, data for a new disc will overwrite the data for the disc that has not been played back for the longest time.

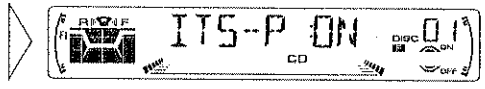
ITS Play (ITS-P)

ITS Play of tracks is performed within the play range explained in the "Repeat Play" section.

1. **Press the FUNCTION button and select the ITS Play mode (ITS-P) in the Function Menu.**

2. **Switch the ITS Play ON/OFF with the ▲/▼ buttons.**

   After selecting the desired repeat play range from those referred to in "Repeat Play" on page 20, switch ITS Play ON.

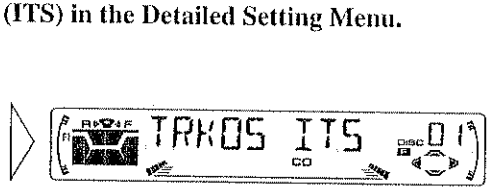


Note:
- If no track in the current range is programmed for ITS Play, "ITS EMPTY" is displayed.

Erase a Track Program

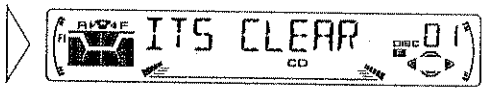
1. **Select the track you wish to erase, during ITS Play.**
2. **Select the ITS Programming mode (ITS) in the Detailed Setting Menu. (Refer to page 15.)**
3. **Erase the track program with the ▼ button.**

   ITS is canceled and playback of the next ITS-programmed track begins. If there are no more programmed tracks in the current range, "ITS EMPTY" is displayed and normal play resumes.



Erase a Disc Program

1. **Select the disc you wish to erase, while the disc is playing.**
2. **Select the ITS Programming mode (ITS) in the Detailed Setting Menu. (Refer to page 15.)**
3. **Erase the disc program with the ▼ button.**



Disc Title

Disc Title Input (TITLE IN)

You can input Titles up to 10 letters long for up to 100 discs. Using this function lets you easily search for and select a desired disc for play. (You can store ITS program and Disc Title data for up to 100 discs in memory.)

1. **Play the disc you wish to input the disc title.**
2. **Select the Disc Title Input mode (TITLE IN) in the Detailed Setting Menu. (Refer to page 15.)**

Note:
- When playing a CD TEXT disc on a CD TEXT compatible Multi-CD player, you cannot switch to this mode.
- A CD TEXT disc is a CD featuring recorded text information such as Disc Title, Artist Name and Track Title.

3. **Select letters, numbers and symbols with the ▲/▼ buttons.**

   To insert a space, select the flashing cursor "_".

4. **Move the box left and right with the ◄/► buttons.**

5. **When you have completed title input, make the 10th letter flash, then memorize by pressing the ► button.**

Note:
- Titles remain in memory, even after the disc has been removed from the magazine, and are recalled when the disc is reinserted.
- After the titles for 100 discs have been entered, data for a new disc will overwrite the data for the disc that has not been played back for the longest time.
- You can display the disc title of the disc currently playing. For details, refer to "Displaying Disc Title" on page 25.

Selecting Discs by Disc Title List (TITLE LIST)

Follow the procedures below to play a disc for which you have input the title in a Multi-CD player or a CD TEXT disc on a CD TEXT compatible Multi-CD player.

1. **Press the FUNCTION button and select the Disc Title List mode (TITLE LIST) in the Function Menu.**

2. **Select the desired disc title with the ◄/► buttons.**
   Nothing is displayed for disc whose titles have not been input.

3. **Play the selected disc with the ▲ button.**

Displaying Disc Title

You can display the currently playing Disc Title.

Note:
- You can also display the currently playing Disc Title when playing a CD TEXT disc on a CD TEXT compatible Multi-CD player. (Refer to page 27.)

- **Switch the Disc Title Display with the DISPLAY button.**
  Each press of the DISPLAY button changes the display in the following order:
  Playback mode (Play Time)
  → Disc Title

Note:
- If you switch displays when disc titles have not been input, "NO TITLE" is displayed.

Compression and DBE (COMP)

Using the COMP (Compression) and DBE (Dynamic Bass Emphasis) functions enables Multi-CD player sound quality adjustment. Each of the functions enables two-step adjustment.

■ COMP

The COMP (Compression) function adjusts imbalances between loud and subdued sounds at higher volumes.

■ DBE

DBE (Dynamic Bass Emphasis) boosts bass levels to give a fuller sound.

COMP/DBE ON/OFF Switching

1. **Press the FUNCTION button and select the COMP/DBE switching mode (COMP) in the Function Menu.**

2. **Select the desired mode with the ▲/▼ buttons.**
   COMP OFF → COMP 1 → COMP 2
   → COMP OFF → DBE 1 → DBE 2

Note:
- You can use these functions with a Multi-CD player that has them. If the player does not feature the COMP/DBE functions, "NO COMP" is displayed if you try to use them.

ENGLISH

CD TEXT Function (for CD TEXT compatible type)

You can use these functions when playing a CD TEXT disc on a CD TEXT compatible Multi-CD player.

Title Display Switching

- **Select the desired title display with the DISPLAY button.**

Each press of the DISPLAY button changes the display in the following order:
Playback mode (Play Time)
→ Disc Title → Disc Artist Name
→ Track Title → Track Artist Name

Note:
- If certain text information is not recorded on a CD TEXT disc, "NO ~" (e.g. "NO T-TITLE") is displayed.

Title Scroll

This product displays the first 10 letters only of Disc Title, Artist Name and Track Title. With text longer than 10 letters, you can see the rest of the text by scrolling.

- **Scroll the title display by pressing the DISPLAY button for 2 seconds.**

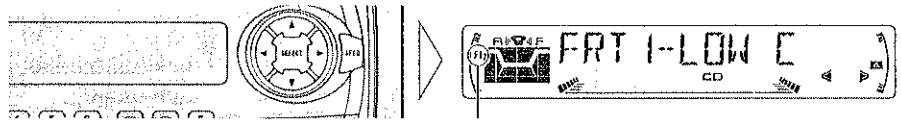
Setting the Sound Focus Equalizer (SFEQ)

Clarifying the sound image of vocals and instruments allows the simple staging of a natural, pleasant sound environment.
Even greater listening enjoyment will be obtained if seating positions are chosen carefully.

About the Sound Focus Equalizer (SFEQ)

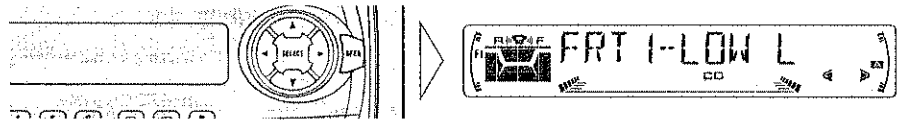
"FRT1" boosts the treble on the front output and the bass on the rear output.
"FRT2" boosts the treble and the bass on the front output and the bass on the rear output. (The bass boost is the same for both front and rear.)
For both "FRT1" and "FRT2" the "HI" setting provides a more pronounced effect than the "LOW" setting.

1. **Select the desired SFEQ mode.**



FRT1-HI (front 1-high) → FRT1-LOW (front 1-low) → FRT2-HI (front 2-high) → FRT2-LOW (front 2-low) → CUSTOM (custom) → SFEQ OFF (off)

2. **Select the desired Position.**



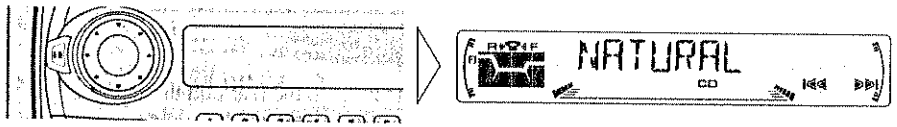
L (left) ↔ C (center) ↔ R (right)

Note:
- If you adjust the bass or treble, "CUSTOM" memorizes an SFEQ mode in which the bass and treble are adjusted for personal preference.
- If you switch the SFEQ mode, the position returns to the "C" (center) setting.

Selecting the Equalizer Curve

You can switch between Equalizer curves.

- **Select the desired Equalizer curve.**



POWERFUL (powerful) → NATURAL (natural) → VOCAL (vocal) → CUSTOM 1 (custom 1) → CUSTOM 2 (custom 2) → EQ FLAT (flat) → SUPER BASS (super bass)

About the Custom Curves

"CUSTOM 1" and "CUSTOM 2" are adjustable equalizer curves. (Refer to "Equalizer Curve Adjustment" on page 31 and "Equalizer Curve Fine Adjustment" on page 32.)

■ CUSTOM 1

A separate "CUSTOM 1" curve can be created for each source. (The Built-in CD player and Multi-CD player are set to the same Equalizer Curve Adjustment setting automatically.)
If you make adjustments when a curve other than "CUSTOM 2" is selected, the equalizer curve settings are memorized in "CUSTOM 1".

■ CUSTOM 2

A "CUSTOM 2" curve can be created common to all sources.
If you make adjustments when the "CUSTOM 2" curve is selected, the "CUSTOM 2" curve is updated.

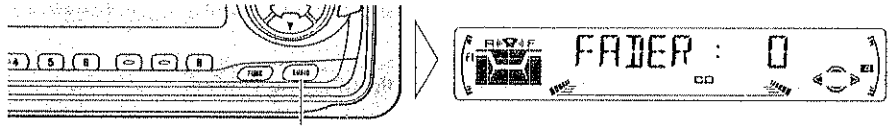
Entering the Audio Menu

With this menu, you can adjust the sound quality.

Note:

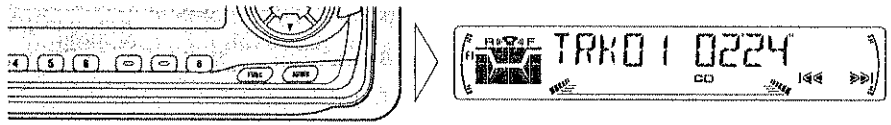
- After entering the Audio Menu, if you do not perform an operation within about 30 seconds, the Audio Menu is automatically canceled.
- Audio Menu functions change depending on the Rear Output setting in the Initial Setting Menu. (Refer to "Setting the Rear Output" on page 40.)

1. **Select the desired mode in the Audio Menu.**



Each press changes the Mode ...

2. **Operate a mode.**
3. **Cancel the Audio Menu.**



Audio Menu Functions

The Audio Menu features the following functions.

Balance Adjustment (FADER)

This function allows you to select a Fader/Balance setting that provides ideal listening conditions in all occupied seats.

1. **Press the AUDIO button and select the Fader/Balance mode (FADER) in the Audio Menu.**
2. **Adjust front/rear speaker balance with the ▲/▼ buttons.**
   "FADER :F15" – "FADER :R15" is displayed as it moves from front to rear.

Continued overleaf.

3. **Adjust left/right speaker balance with the ◄/► buttons.**
   "BAL :L 9" – "BAL :R 9" is displayed as it moves from left to right.

Note:
- When the Rear Output setting is "FRT+S/W", you cannot adjust front/rear speaker balance. (Refer to page 40.)
- "FADER : 0" is the proper setting when 2 speakers are in use.

Equalizer Curve Adjustment (EQ-LOW/EQ-MID/EQ-HIGH)

You can adjust the currently selected equalizer curve settings as desired.

1. **Press the AUDIO button and select the Equalizer mode (EQ-LOW/EQ-MID/EQ-HIGH) in the Audio Menu.**

2. **Select the band you want to adjust with the ◄/► buttons.**
   EQ-LOW (low) ↔ EQ-MID (mid) ↔ EQ-HIGH (high)

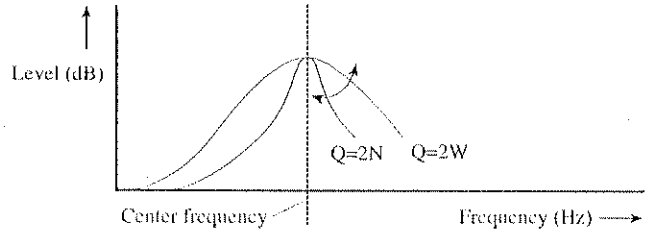
3. **Boost or attenuate the selected band with the ▲/▼ buttons.**
   The display shows "+6" – "–6".

"CUSTOM"

Note:
- If you make adjustments when a curve other than "CUSTOM 2" is selected, "CUSTOM 1" curve is updated.

Equalizer Curve Fine Adjustment

You can adjust the center frequency and the Q factor (curve characteristics) of each currently selected curve band (EQ-LOW/EQ-MID/EQ-HIGH).



1. **Press the AUDIO button for 2 seconds to select Equalizer Curve Fine Adjustment.**

2. **Press the AUDIO button to select the desired band for adjustment.**

3. **Select the desired frequency with the ◄/► buttons.**
   LOW: 40 ↔ 80 ↔ 100 ↔ 160 (Hz)
   MID: 200 ↔ 500 ↔ 1K ↔ 2K (Hz)
   HIGH: 3K ↔ 8K ↔ 10K ↔ 12K (Hz)

4. **Select the desired Q factor with the ▲/▼ buttons.**
   2N ↔ 1N ↔ 1W ↔ 2W

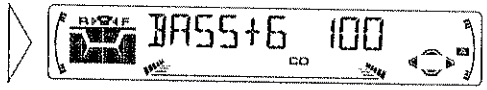
Note:
- If you make adjustments when a curve other than "CUSTOM 2" is selected, "CUSTOM 1" curve is updated.

Bass Adjustment (BASS)

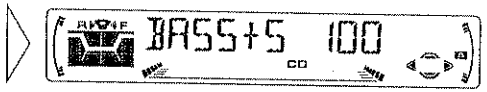
You can adjust the cut-off frequency and the Bass level.
In "FRT1" mode, bass adjustment affects only the rear output: front output cannot be adjusted.

1. **Press the AUDIO button and select the Bass mode (BASS) in the Audio Menu.**

2. **Select the desired frequency with the ◄/► buttons.**
   40 ↔ 63 ↔ 100 ↔ 160 (Hz)



3. **Boost or attenuate the bass level with the ▲/▼ buttons.**
   The display shows "+6" – "–6".

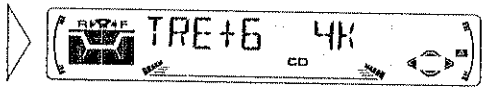


Treble Adjustment (TRE)

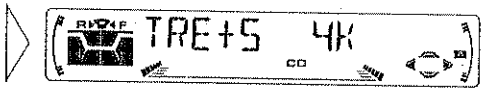
You can adjust the cut-off frequency and the Treble level.
In "FRT1" and "FRT2" modes, treble adjustment affects only the front output: rear output cannot be adjusted.

1. **Press the AUDIO button and select the Treble mode (TRE) in the Audio Menu.**

2. **Select the desired frequency with the ◄/► buttons.**
   2K ↔ 4K ↔ 6K ↔ 10K (Hz)



3. **Boost or attenuate the treble level with the ▲/▼ buttons.**
   The display shows "+6" – "–6".

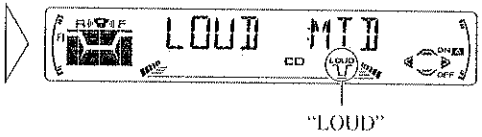


Loudness Adjustment (LOUD)

The Loudness function compensates for deficiencies in the low and high sound ranges at low volume. You can select a desired Loudness level.

1. **Press the AUDIO button and select the Loudness mode (LOUD) in the Audio Menu.**

2. **Switch the Loudness function ON/OFF with the ▲/▼ buttons.**



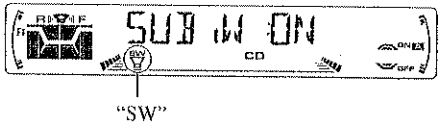
3. **Select the desired level with the ◄/► buttons.**
   LOW (low) ↔ MID (mid) ↔ HI (high)

Subwoofer Output (SUB.W)

When a Subwoofer is connected, switch Subwoofer output ON.
Initially, Subwoofer output is ON.

1. **Press the AUDIO button and select the Subwoofer ON/OFF mode (SUB.W) in the Audio Menu.**

2. **Switch the Subwoofer output ON/OFF with the ▲/▼ buttons.**



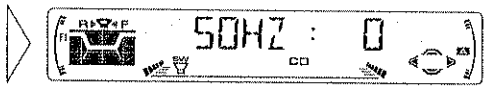
Note:
- When the Rear Output setting is "FRT+REAR", you cannot switch the Subwoofer ON/OFF mode. (Refer to page 40.)

Subwoofer Setting Adjustment (80HZ 0)

When the Subwoofer output is ON, you can adjust the cut-off frequency and the output level of Subwoofer.

1. **Press the AUDIO button and select the Subwoofer setting mode (80HZ 0) in the Audio Menu.**

2. **Select the frequency to 50 Hz, 80 Hz or 125 Hz with the ◄/► buttons.**



3. **Increase or decrease the output level with the ▲/▼ buttons.**
   The display shows "+6" – "–6".

Note:
- You can select the Subwoofer setting mode only when Subwoofer output is switched ON in the Subwoofer ON/OFF mode.

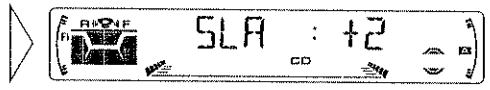
Source Level Adjustment (SLA)

The SLA (Source Level Adjustment) function prevents radical leaps in volume level when switching between sources. Settings are based on the FM volume level, which remains unchanged.

1. **Compare the FM volume with the volume of the other source. (e.g. Built-in CD player.)**

2. **Press the AUDIO button and select the SLA mode (SLA) in the Audio Menu.**

3. **Increase or decrease the level with the ▲/▼ buttons.**
   The display shows "+4" – "–4".



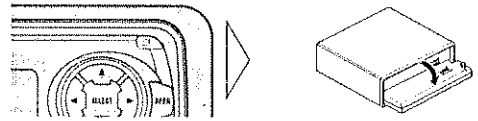
Note:
- Since the FM volume is the control, SLA is not possible in the FM modes.
- The AM volume level, which is different from the FM base setting volume level, can also be adjusted similar to sources other than tuner.
- The Built-in CD player and Multi-CD player are set to the same volume adjustment setting automatically.

Theft Protection

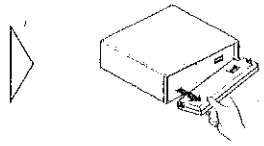
The front panel of the head unit is detachable to discourage theft.
- Keep the front panel closed while driving.

Detaching the Front Panel

1. **Open the front panel.**



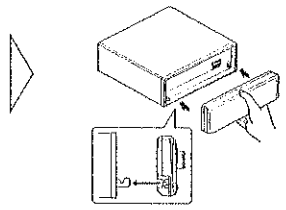
2. **Grip the left side of the front panel and pull it gently outward.**
   Take care not to grip it tightly or drop it.



3. **Use the protective case provided to store/carry the detached front panel.**

Replacing the Front Panel

- **Replace the front panel by holding it upright to this product and clipping it securely into the mounting hooks.**



Precaution:
- Never use force or grip the display tightly when removing or replacing the front panel.
- Avoid subjecting the front panel to excessive shocks.
- Keep the front panel out of direct sunlight and high temperatures.

Warning Tone

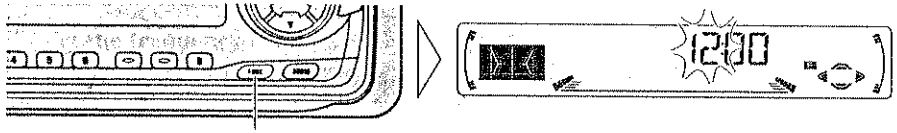
If the front panel is not detached within 5 seconds after the ignition is turned off, a warning tone will sound.

Note:
- You can cancel the warning tone function. (Refer to page 39.)

Entering the Initial Setting Menu

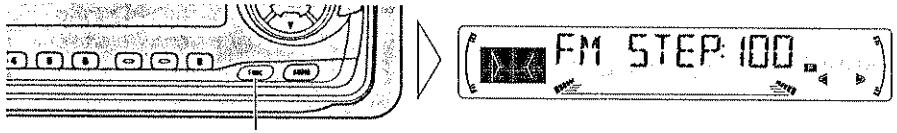
With this menu, you can perform initial settings for this product.

1. **Turn the source OFF.**
2. **Enter the Initial Setting Menu.**



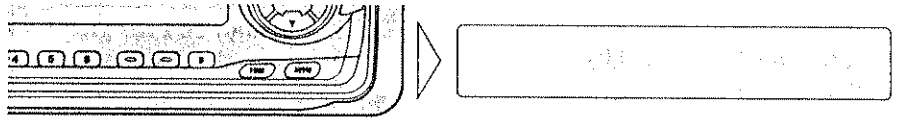
Hold for 2 seconds

3. **Select a desired mode.**



Each press changes the Mode ...

4. **Operate a mode.**
5. **Cancel the Initial Setting Menu.**



Note:

- Holding down the FUNCTION button for 2 seconds also cancels the Initial Setting Menu.

Initial Setting Menu Functions

The Initial Setting Menu features the following functions.

Setting the Time

This is the mode for setting the time on the unit's clock display. (Refer to page 41 for details concerning the clock display.)

1. **Press the FUNCTION button and select the Time setting mode in the Initial Setting Menu.**
2. **Select "Hour" or "Minute" with the ◄/► buttons.**

3. **Set as desired with the ▲/▼ buttons.**

As soon as you switch to "Minute", the seconds start counting from 00.

Setting the FM Tuning Step (FM STEP)

The tuning step employed by Seek Tuning in the FM mode can be switched between 100 kHz (preset at the factory) and 50 kHz.

1. **Press the FUNCTION button and select the FM Tuning Step mode (FM STEP) in the Initial Setting Menu.**
2. **Select the desired tuning step with the ◄/► buttons.**

Note:

- If Seek Tuning is performed in 50 kHz steps, stations may be tuned in imprecisely. Tune in the stations with Manual Tuning or use Seek Tuning again.

Setting the AM Tuning Step (AM STEP)

The tuning step employed in the tuner's AM band can be switched between 9 kHz and 10 kHz per step. Reset the tuning step from 9 kHz (the factory preset step) to 10 kHz when using the tuner in North, Central or South America.

Specifications	Initial Setting	New Setting
Tuning Steps	9 kHz	10 kHz
Frequency range	531 – 1,602 kHz	530 – 1,640 kHz

1. **Press the FUNCTION button and select the AM Tuning Step mode (AM STEP) in the Initial Setting Menu.**

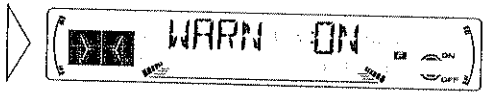
2. **Select the desired tuning step with the ◄/► buttons.**

Setting the Warning Tone (WARN)

You can switch the Warning Tone function ON/OFF. (Refer to "Warning Tone" on page 36.)

1. **Press the FUNCTION button and select the Warning Tone mode (WARN) in the Initial Setting Menu.**

2. **Switch the Warning Tone ON/OFF with the ▲/▼ buttons.**



Switching the AUX Mode (AUX)

It is possible to use auxiliary (AUX) equipment with this product.
Activate the AUX mode when using external equipment with this product.

1. **Press the FUNCTION button and select the AUX Setting mode (AUX) in the Initial Setting Menu.**

2. **Switch the AUX Setting ON/OFF with the ▲/▼ buttons.**

Setting the Dimmer (DIMMER)

To enable this product's display from being too bright at night, when the vehicle's head lights are turned ON the display is dimmed.
You can switch this function ON/OFF.

1. **Press the FUNCTION button and select the Dimmer mode (DIMMER) in the Initial Setting Menu.**

2. **Switch the Dimmer ON/OFF with the ▲/▼ buttons.**

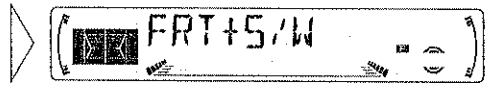
Setting the Rear Output (FRT+REAR)

This product's rear output (rear speaker leads output and RCA Rear output) can be used for full-range speaker ("FRT+REAR") or Subwoofer ("FRT+S/W") connection. If you switch Rear Output setting to the "FRT+S/W", you can connect a rear speaker lead directly to a Subwoofer without using an auxiliary amp.
Initially, the unit is set for rear full-range speaker connection ("FRT+REAR").

Note:
- Even if you change this setting, there is no output unless you switch the Subwoofer Output (refer to page 34) in the Audio Menu ON.
- Both rear speaker leads output and RCA Rear output are switched simultaneously in this setting mode.

1. **Press the FUNCTION button and select the Rear Output setting mode (FRT+REAR) in the Initial Setting Menu.**

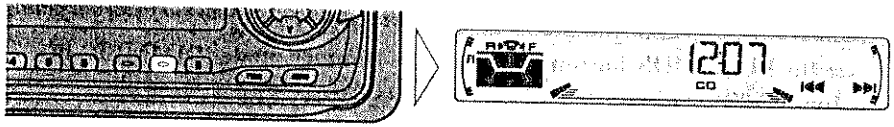
2. **Change the Rear Output setting with the ▲/▼ buttons.**



Note:
- When no Subwoofer is connected to the rear output, select "FRT+REAR".
- When a Subwoofer is connected to the rear output, set for Subwoofer "FRT+S/W".

Displaying the Time

- **To turn the time display ON.**



The time display disappears temporarily when you perform another operation, but the time indication returns to the display after 25 seconds.

Note:

- Even when the sources are OFF, the Time appears on the display. Pressing the CLOCK button switches the Time display ON/OFF.

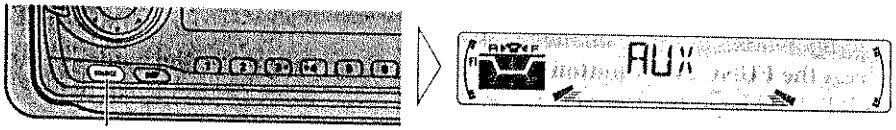
Using the AUX Source

An IP-BUS-RCA Interconnector such as CD-RB20 or CD-RB10 (sold separately) enables you to connect this product to auxiliary equipment featuring an RCA output.

For more details, refer to the IP-BUS-RCA Interconnector's Owner's Manual.

Selecting the AUX Source

- **Select AUX. (Refer to page 6.)**

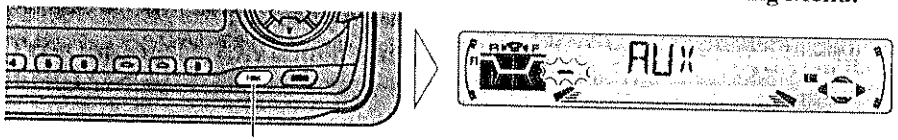


Each press changes the Source ...

AUX Title Input (TITLE IN)

The display title for AUX source can be changed.

1. **Select the AUX Title Input mode (TITLE IN) in the Detailed Setting Menu.**



Hold for 2 seconds

2. **Input the AUX Title.**

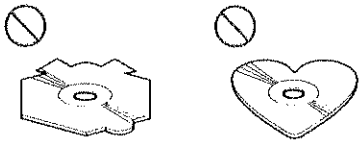
Refer to "Disc Title Input" on page 24, and perform procedures 3 to 5 in the same way.

Precaution

- Play only CDs bearing the Compact Disc Digital Audio mark.

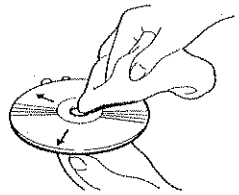
COMPACT disc DIGITAL AUDIO

- This product is designed for use with conventional, fully circular CDs only. Use of shaped CDs are not recommended for this product.



- Check all CDs before playing and discard cracked, scratched or warped discs.
- Normal playback of CD-R discs other than those recorded with a music CD recorder may not be possible.
- Playback of music CD-R discs, even those recorded with a music CD recorder, may not be possible with this product due to disc characteristics or scratches or dirt on the disc. Dirt or condensation on the lens inside this product may also prevent playback.
- Titles and other text information recorded on a CD-R disc may not be displayed by this product.
- This product conforms to the track skip function of the CD-R disc. The tracks containing the track skip information are skipped over automatically.
- Read the precautions with the CD-R discs before using.

- Wipe dirty or damp discs outward from the center with a soft cloth.



- Avoid touching the recorded (iridescent) surface when handling discs.
- Store discs in their cases when not in use.
- Keep discs out of direct sunlight and high temperatures.
- Do not affix labels or apply chemicals to discs.
- Condensation may collect inside the player when using the heater in cold weather, interfering with playback. Turn it off for an hour or so and wipe damp discs with a soft cloth.
- Road shocks may interrupt CD playback.

Built-in CD Player's Error Message

When problems occur with CD playback, an error message appears on the display. Refer to the table below to identify the problem, then take the suggested corrective action. If the error persists, contact your dealer or your nearest PIONEER Service Center.

Message	Possible cause	Recommended action
ERROR- 11, 12, 17, 30	Dirty disc.	Clean the disc.
ERROR- 11, 12, 17, 30	Scratched disc.	Replace the disc.
ERROR- 14	Unrecorded CD.	Check the disc.
ERROR- 10, 11, 12, 14, 17, 30, A0	Electrical or mechanical problem.	Turn the ignition ON and OFF, or switch to a different source, then back to the CD player.
ERROR- 44	All tracks are setting track skip.	Replace the disc.
HEAT	CD player overheating.	Discontinue play until the machine temperature drops.

General

Power source ..... 14.4 V DC (10.8 – 15.1 V allowable)
Grounding system ..... Negative type
Max. current consumption ..... 10.0 A
Dimensions
(DIN) (chassis) ..... 178 (W) × 50 (H) × 157 (D) mm
(nose) ..... 188 (W) × 58 (H) × 19 (D) mm
(D) (chassis) ..... 178 (W) × 50 (H) × 162 (D) mm
(nose) ..... 170 (W) × 46 (H) × 14 (D) mm
Weight ..... 1.5 kg

Amplifier

Continuous power output is 22 W per channel min. into 4 ohms, both channels driven 50 to 15,000 Hz with no more than 5% THD.
Maximum power output ..... 50 W × 4
50 W × 2 ch/4 Ω + 70 W × 1 ch/2 Ω (for Subwoofer)
Load impedance
..... 4 Ω (4 – 8 Ω [2 Ω for 1 ch] allowable)
Preout maximum output level/
output impedance ..... 2.2 V/1 kΩ
Equalizer (3-Band Parametric Equalizer)
(Low) ..... Frequency: 40/80/100/160 Hz
Q Factor: 0.35/0.59/0.95/1.15
(+6 dB when boosted)
Level: ±12 dB
(Mid) ..... Frequency: 200/500/1k/2k Hz
Q Factor: 0.35/0.59/0.95/1.15
(+6 dB when boosted)
Level: ±12 dB
(High) ..... Frequency: 3.15k/8k/10k/12.5k Hz
Q Factor: 0.35/0.59/0.95/1.15
(+6 dB when boosted)
Level: ±12 dB
Loudness contour
(Low) ..... +3.5 dB (100 Hz), +3 dB (10 kHz)
(Mid) ..... +10 dB (100 Hz), +6.5 dB (10 kHz)
(High) ..... +11 dB (100 Hz), +11 dB (10 kHz)
(volume: –30 dB)
Tone controls
(Bass) ..... Frequency: 40/63/100/160 Hz
Level: ±12 dB
(Treble) ..... Frequency: 2.5k/4k/6.3k/10k Hz
Level: ±12 dB
Subwoofer output
Frequency ..... 50/80/125 Hz
Slope ..... –12 dB/oct.
Gain ..... ±12 dB

CD player

System ..... Compact disc audio system
Usable discs ..... Compact disc
Signal format ..... Sampling frequency: 44.1 kHz
Number of quantization bits: 16; linear
Frequency characteristics ..... 5 – 20,000 Hz (±1 dB)
Signal-to-noise ratio ..... 94 dB (1 kHz) (IEC-A network)
Dynamic range ..... 92 dB (1 kHz)
Number of channels ..... 2 (stereo)

FM tuner

Frequency range ..... 87.5 – 108 MHz
Usable sensitivity ..... 9 dBf
(0.8 μV/75 Ω, mono, S/N: 30 dB)
50 dB quieting sensitivity ..... 15 dBf
(1.5 μV/75 Ω, mono)
Signal-to-noise ratio ..... 70 dB (IEC-A network)
Distortion ..... 0.3% (at 65 dBf, 1 kHz, stereo)
Frequency response ..... 30 – 15,000 Hz (±3 dB)
Stereo separation ..... 40 dB (at 65 dBf, 1 kHz)

AM tuner

Frequency range ..... 531 – 1,602 kHz (9 kHz)
530 – 1,640 kHz (10 kHz)
Usable sensitivity ..... 18 μV (S/N: 20 dB)
Selectivity ..... 50 dB (±9 kHz)
50 dB (±10 kHz)

Note:

- Specifications and the design are subject to possible modification without notice due to improvements.